

INTERNATIONAL SEARCH REPORT

Inte al Application No
PCT/IB2005/051170

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G11B23/40 B41J3/407

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G11B B41J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/179679 A1 (MORISHIMA MORITO) 25 September 2003 (2003-09-25) paragraphs '0120! - '0125!, '0161!, '0171! - '0184!; figures 1-6,13,14	1-7,10, 11 8,9
A	US 2003/133005 A1 (BRONSON BARRY) 17 July 2003 (2003-07-17) cited in the application paragraph '0039!	1-11

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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- "T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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- "Y" document of particular relevance; the claimed Invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

1 June 2005

Date of mailing of the international search report

15/06/2005

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Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 2003179679	A1	25-09-2003	JP	2003272240 A		26-09-2003
US 2003133005	A1	17-07-2003	US	2004056944 A1		25-03-2004
			US	2004051778 A1		18-03-2004
			US	2004169717 A1		02-09-2004
			US	2005000657 A1		06-01-2005
			US	2005046692 A1		03-03-2005